

AMENDMENTS TO THE CLAIMS:

Please amend claim 51 as follows:

51. (Currently Amended) An X-ray apparatus comprising:

an essentially planar member of a material non-transparent to X-rays and that has an elongated slot formed therein to provide a collimator for X-rays;

a carrying member having detectors on a side thereof, said detectors including a plurality of sensors provided on a substrate; and

said detectors being arranged substantially edge-to-edge and side-by-side in at least one row on said side of said carrying member and said detectors comprising a sensor plane being substantially parallel to a surface of said carrying member and said carrying member being arranged so that said sensor plane is angularly oriented otherwise than perpendicular to incident X-ray beams, and wherein at least two detectors are arranged in at least two levels, said levels being displaced relative one to another such that an inactive section of at least one detector is overlapped with an active section of said other detector [.] ~~said collimator and said detectors starting~~ adapted to perform a scan from a first position and ~~having~~ a first speed [;]~~bringing said collimator and said detectors~~ to a maximum, substantially constant speed when all of said collimator and said detectors are in the field of view, ~~and bringing said collimator and said detectors to~~ having a third speed, wherein an acceleration time before said scan reaches a said maximum speed and a deceleration time before said scan stops is determined in such a way that parts of an image, where the acceleration and deceleration take place, obtain substantially a same photon statistics as the rest of said image.